



Eight years later, CSM remembers



COURTESY PATRICK BESEDA

The IM fields were planted Friday with a flag for each of the 2,993 people that died on September 11, 2001. The CSM Republicans organized the event, and spent three hours placing the flags on Friday morning. Please see more photos on page 6.

Career Center offers students help

Melinda Bartel
Staff Writer

Once again, that special time of year is fast approaching. Yes, Career Day is this week. It is happening Tuesday, September 15, from 9:30 AM to 4:00 PM in the Mines Student Recreation Center. This year, 187 companies will be attending.

Jean Manning-Clark, the director of the Career Center, has advice for students looking for jobs at Career Fair; "Students should research companies in advance so

they can impress the recruiters with their knowledge." There are many ways to do this. On Diggernet, for example, there are links to company websites. There is also a booklet available in the Career Center with blurbs on each company.

Another excellent opportunity to prepare for Career Day is to attend the WIRED event, co-sponsored by MEP and the Career Center. WIRED stands for Work/Interview, Resume/Experience Day and it is happening Monday, September 14 from noon to 4:00 PM in the student

center ballrooms. At the event, 22 companies will be available to sit one on one with students and critique and polish resumes, as well as give mock interviews. Manning-Clark says, "Many of the company representatives at the WIRED event have been recruiting Mines students for decades, and many are Mines Alumni, so it will give students a heads up on Career Day." The event is open for walk-ins, and there is lots of space still available, so don't hesitate to attend.

Manning-Clark also encour-

ages freshman and sophomores to attend Career Day, because twenty-five percent of the companies consider giving internships to underclassmen. She states, "Even if students aren't looking for an internship, it's an excellent opportunity to network and get the ball rolling. It's also good practice, and informative about the types of services and jobs out there. If nothing else, there's always tons of free stuff."

SEE CAREER ON PAGE 3

Freshmen experience room crunch

Lily Giddings
Managing Editor

Attendance rates to the Colorado School of Mines have been increasing significantly over the past several years. As the school, and specifically the freshman class, grows in size, the on-campus housing crunch increases.

This year alone, over 900 freshmen chose to attend Mines. Of these, 857 students requested to live on campus. Students are not required to live on campus, but 90% of first-year students attending Mines perennially request housing through the school.

The housing crunch has been increasing for years at Mines. This year is just more noticeable since the attendance rate spiked suddenly. "We've had a few triples every year for a while now," said Darren Doherty, Hall Director for Randall hall.

This year, however, to address the surplus of students requiring school housing, the basement floors of 2 traditional residence halls that have previously been used as "doubles" with 2 students per room, became triples and quads, with 3 and 4 students per room.

"Our first priority is to place all incoming students who request on-campus housing," commented Rebecca Flintoft, Director of Auxiliary Services and Housing. "It's especially important to place students who come in from out of state, since they don't have the option of living at home and commuting to school," said Doherty.

As in previous years, upperclassmen are allowed to request housing on campus. However, the number of upperclassmen actually placed in the residence halls decreased somewhat, to accommodate the greater number of incoming students. This year, 50 upperclassmen slots were saved for returning students who wish to continue living on campus, in comparison to the previous years' 55 slots.

While this may not seem to be cause for concern, it is important to remember that CSM does not have unlimited housing opportunities.

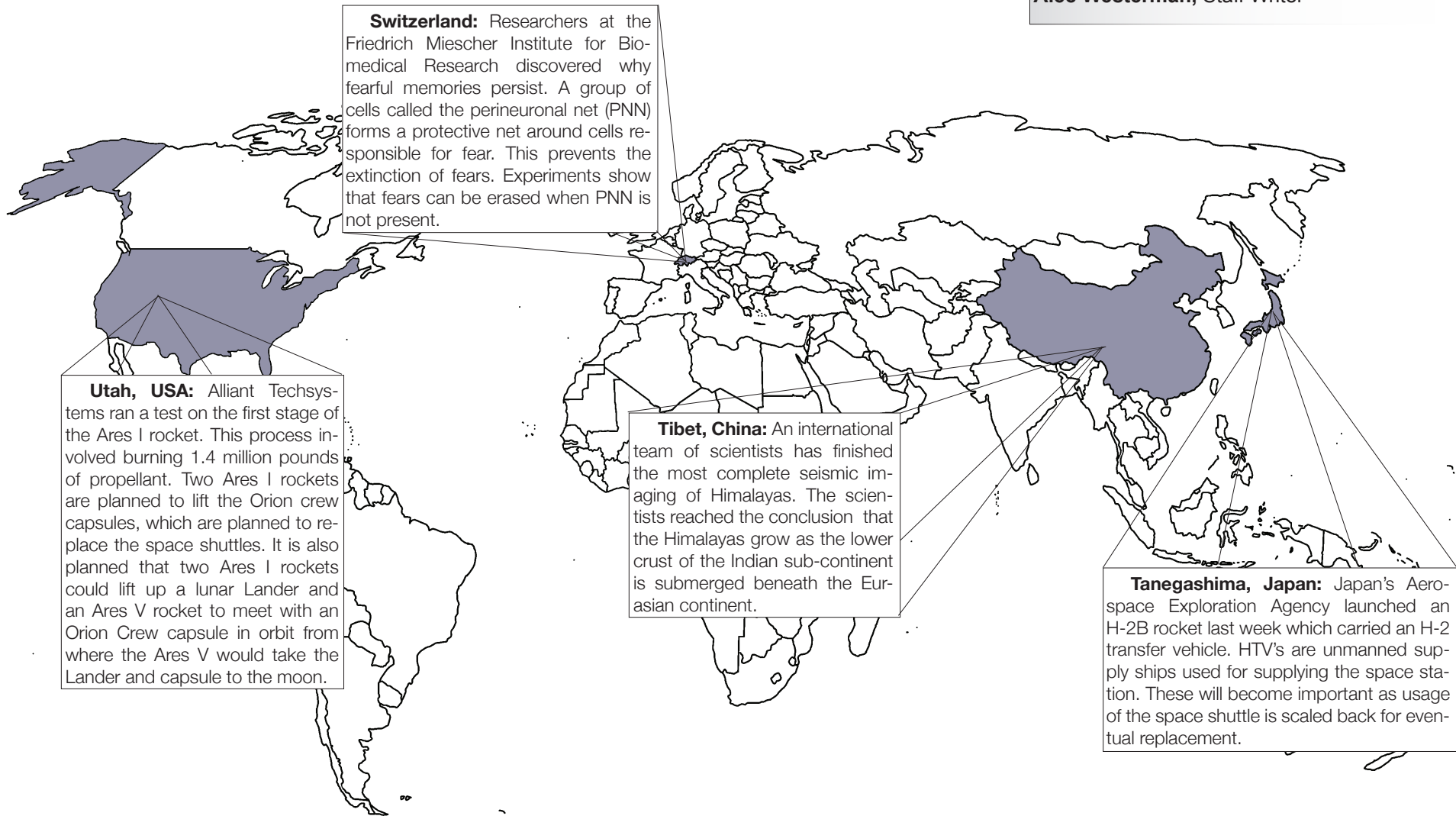
Incoming students are given the choice of: finding their own housing, living in one of the four "traditional" residence halls, living in the suite style residences at Weaver Towers, the apartment style residence halls at Mines Park, and the apartments at Jones Road.

The triple and quad housing situation is temporary, until enough students opt to move, don't show up, or choose to leave Mines and the remaining students can be redistributed to a more reasonable capacity.

SEE HOUSING ON PAGE 3

Scientific discoveries this week

Alec Westerman, Staff Writer



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Headlines from around the world

Emily Trudell, Staff Writer

South African runner **Caster Semenya**, who recently won the gold medal for the woman's 800 meter race at the IAAF Athletics World Championships, underwent gender testing after allegations that Semenya has male sexual organs, and should not be allowed to compete as a woman. The IAAF has not yet commented on the findings of the tests.

Gertrude Baines, the 115-year-old woman who held the title of **world's oldest person**, died in a Los Angeles hospital Friday. She is succeeded by Kama Chinen, a 114-year-old man who is living in Japan.

Flooding in at least 16 **West African** nations has killed at least 159 people since the torrential rains began in June. Infrastructure in these nations has been severely damaged, and the United Nations has concerns that the flooding will lead to a spread of waterborne illnesses such as cholera.

A **synagogue** dating back over 2000 years was unearthed in Israel during the preparations to begin building a hotel over the area. The site is located in northern Israel, and is thought to be one of the world's most ancient synagogues still in existence.

Melissa Huckaby, the Sunday school teacher charged with the kidnapping and murder of eight year old Sandra Cantu, will face the death penalty. Huckaby entered a plea of not guilty.

Cantu's body was found last April, submerged inside a suitcase at a nearby irrigation pond.

Health officials announced the **H1N1 flu virus**, more commonly known as swine flu, has spread to all 50 of the United States. Though a vaccine for the H1N1 strain is currently being developed, it will not be available until mid-October.

The **Discovery Space Shuttle** landed safely in California on Friday, after inclement weather near the Kennedy Space Center in Florida forced NASA officials to find a new landing area.

Prostate cancer has become linked to the parasitic STD Trichomonas vaginalis. Findings suggest that men who have contracted the STD multiple times are more likely to develop a potentially life-threatening

ening case of prostate cancer. Trichomonas vaginalis effects 174 million people a year, but can be cured quickly with antibiotics, and often goes away on its own.

The Pentagon is expected to approve sending up to 3000 more U.S. soldiers to **Afghanistan**. The extra forces are to be deployed to help protect against the threat of roadside bombs.

Eden Memorial Park, a cemetery located in Mission Hills, California, has been accused of desecrating the remains of those who have been buried there by opening vaults, discarding, or moving remains to make more room. As many as 500 grave sites at the cemetery have been tampered with.

Three more banks were closed by **Federal Regulators**, bringing the total number of banks closed in 2009 to 92.



Local News

The Colorado School of Mines was awarded \$1.6 million this week by the Department of Energy for research aimed at enhancing the capability to simulate, track and evaluate potential risks of carbon dioxide storage in geologic formations.

Candace Sulzbach has been honored with the Society of Women Engineers (SWE) 2009 Outstanding Faculty Advisor Award. She will receive the award during the society's annual conference held in California in October. Candy has been the faculty advisor for the Mines chapter of SWE (the second largest collegiate section in the nation) since 2001.

The Institute for Environmental Solutions (IES), a Colorado science nonprofit, is partnering with the City of Golden on a pilot project to proactively reduce the contamination of the water sent down the drain through easy and effective reduction and prevention strategies.

After more than a year of construction, the Washington Bridge construction project has been completed - two months early and under budget. To celebrate, the City and the Colorado Department of Transportation are planning a formal ribbon cutting celebration at 6 p.m. on Thursday, Sept. 17.

Housing has issues

CONTINUED FROM PAGE 1

At the moment, it looks like many of the rooms in the basement of Randall and Bradford halls, where the rooms are slightly larger, will remain triples. This is an option extended to rooms where all roommates have cleared the decision with each other and spoken with the hall director of their residence hall.

"We really just need to make sure that everyone is okay with the decision," said Doherty, "to make sure that one person isn't being pressured to say that it's okay."

Students who choose to remain in a triple will receive a discounted rate for housing, since they will be sharing the same amount of space between 3 people that students in other years shared between 2 people. This includes closet and shelf space. Students who choose to live the rest of the year in a triple may

request an extra desk for their room, should they decide that one is required.

While it may be a concern that the additional number of students per hall could increase the stress levels of Residence Assistants and Hall Directors, such does not appear to be the case.

"The RAs and Hall Directors have been really supportive," states Brent Waller, Associate Director of Housing for Residence Life. Furthermore, Doherty claims that there is no discernible increase in tension in the halls where there are more students.

In the future, Mines hopes to build a new residence hall on Seventeenth and Maple, which can decrease the crunch involved with increased admission rates. The plans for this residence hall are finalized, and Flintoft hopes that the plans can be put into action in the near future.

Career Center brings in industry presenters

CONTINUED FROM PAGE 1

Last Thursday, a workshop was held by the Sierra Nevada Corporation on how to "Stand Out at Career Day in 20 Seconds or Less." Melanie Campbell-Alva, a company recruiter, had some advice on how to be prepared. Some of the helpful hints she emphasized were, "Take a portfolio to hold your resumes and gather company literature. If you are applying for a position that requires design, bring color samples of your work to show." Campbell-Alva also stressed the importance of researching ahead of time on companies of interest.

In addition Campbell-Alva advised that, "A way to stand out is to ask the recruiter questions. It proves that you've done your homework and you're interested in taking them seriously... The recruiters see hundreds of resumes on Career Day, so sell your skills, talents, and experiences."

As far as securing an internship goes, Campbell-Alva suggests, "Ask for contact information for later follow up and communication - this shows you are eager to work. Periodically check back at companies' websites for new opportunities and apply online if companies ask you to - companies will need this for tracking and routing resumes."

Next Thursday, September 18

there will be a workshop in Ballroom E of the student center on how to be proactive in searching for an internship. The workshop is hosted by FAST Enterprises, so if Career Day doesn't go as planned, there are still opportunities to find an internship or job. There will be pizza and a free iPod give away.

There will also be info sessions hosted by various companies happening from now until November. For more information, see Diggernet. As always, the Career Center is available year-round to critique resumes and cover letters, tape interviews, and help with career planning and reviewing job offers.

Last year, 2500 of CSM's 4400 undergraduate and graduate students attended Fall Career Day, so don't miss out on this excellent opportunity.



COURTESY PATRICK BESEDA

Apple intros new iPods, iTunes, operating system

Ian Littman
Assistant Business Manager,
Web Content

The past couple of weeks have been busy ones for Apple. On Wednesday, the company upgraded products in their iPod line and introduced a new version of their iTunes software, complete with enhancements to the company's online music and video store. Two Fridays ago, OS X 10.6 "Snow Leopard" was released, a \$29 upgrade to Apple's previous operating system mainly focused on fine-tuning a large array of features and performance characteristics.

The introduction of Snow Leopard, Apple's lowest-priced operating system upgrade in the history of OS X, happened about a month earlier than anticipated, and as such, some developers were caught unawares. However, over the past few weeks, updates to third-party applications and OS X itself (the current version is now 10.6.1) have fixed the majority of incompatibilities introduced by the numerous "under the hood" upgrades brought about by Snow Leopard.

That said, some hardware might not work with the new OS. The biggest example of this is with Apple's own computer systems. OS X is now completely Intel-only, though this rather fast-paced obsolescence schedule, which makes computers built before 2006 ineligible for an upgrade, isn't unprecedented for Apple. Another interesting note is that Apple's \$29 Snow Leopard

upgrade is licensed only for Leopard-equipped computers; systems running Apple's older Tiger (10.4) operating system version need to shell out around \$170 for the "Mac Box Set," which includes Apple's latest productivity and media suites (iWork and iLife) as well as the OS upgrade DVD which appears to be the only operating system large enough to require a dual-layer DVD as upgrade media.

Wednesday's releases are more momentous for non-Mac users. The event was focused entirely on upgrades to all of Apple's iPod line and iTunes system, bringing the media manager to version 9. On the iTunes side, Apple has added special features not only to their downloadable movie rentals and purchases, but also to their music store, creating the "iTunes LP." The software revision also introduces "Genius Mixes," a feature that creates song compilations from a user's library based on the iTunes store's matching technology. Media sharing has also been modified; video sharing between computers is now available, albeit only between up to five machines with the same iTunes Store account. Lastly, iPhone and iPod Touch syncing is improved; users can now rearrange applications on their iPod/iPhone home screen from their computer.

Apple's most significant iPod announcement regarded the addition of a 640x480 video camera to the iPod nano. The new

nano, which costs \$149 for 8GB and \$179 for 16GB, also sports a larger screen (2.2 inches), a glossy aluminum finish, improved Nike+iPod functionality, and Apple's VoiceOver functionality, which allows navigation of the device without looking at its screen.

Apple's second most significant upgrade was a performance and memory boost for the iPod touch as well as a reduction in price for a given capacity. The high end of the iPod touch line, available in 32GB (\$299) and 64GB (\$399) capacities, now includes the same higher-performance components as the new iPhone 3Gs, allowing for higher-quality gaming and all-around faster operation.

Contrary to rumors, the iPod touch does not incorporate a camera in this iteration.

Contrary to rumors, the iPod touch does not incorporate a camera in this iteration. The 8GB model merely received a price drop from \$229 to \$199 with no changes under the hood other than an operating system update, similar in impact to Snow Leopard for Macs and also effective on Apple's iPhone series.

Apple's two final iPod lines, the shuffle and classic, received more minor updates. The iPod shuffle now comes in glossy aluminum colors similar to the new nano, with capacities of 2GB (\$59) and 4GB (\$79). A stainless-steel 4GB model is also available for \$99. The iPod classic merely got a capacity bump, from 120GB to 160GB, while maintaining the \$249 price point.

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For more information and to apply, visit www.shell.com/careers/uscampus or stop by our booth at the Fall Career Day, September 15.

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Arches in the afternoon

STORY AND PHOTOS BY SARAH McMURRAY

It was the sort of long distance drive even I couldn't get lost on if I had been driving. Thankfully, my friend saved me the trouble, and we took her much more reliable car. The road is I-70 across Colorado and all the way to Utah, and every minute of it is gorgeous. Seriously. From views of the continental divide to tunnels through it, I was enraptured by the changing faces of the mountains.

What is college life without the occasional impromptu road trip? A dry, desolate, arch-less desert of homework. As the Colorado School of Mines does not recognize the national holiday of Labor Day, we had a mere two days to cram in a lot of road and a lot of sightseeing. It was worth every minute. So if ever you

find yourself with a spare weekend, or even if you don't, but you really need one and are leaving anyway, consider this your guide to seeing Arches National Park in an afternoon.

We left my house at 6 AM, and after a bathroom and snack break and picking up lunch at a City Market in Fruita (which, incidentally, had the best seafood salad I've ever eaten), we arrived at the park around noon. The Arches website gives a variety of information on what to see or hikes to take depending on your available time. The cost per car is \$10, and the ticket is good for a week. If you have a week, by all means, take it. An afternoon was a good overview, but not nearly

enough time to explore. And the more people you can pack in a car, the cheaper.

Modes of site-seeing in the park include the main road, four-wheel drive roads, easy walking trails, and "primitive trails." Arches is reported to be blisteringly hot, but this was a good day for a tour. The sky was overcast, and the weather had started to become more brisk. I expected the Labor Day weekend crowds to be overwhelming, but they were quite manageable.

Camping in the park, however, was full up. And nearby Moab was pricey! We opted to drive back an hour to Grand Junction to split a hotel. Not only was the cost lower, we were an hour closer to home for our

return trip, and we could tour nearby Colorado National Monument on our way out on Sunday! But that's another article...

If you, like me, have only an afternoon to see the park, you'll get the most sights for your buck provided you drive the road and do the short walking trails.

As we approached, I'm pretty sure my mouth was hanging open, and my eye was glued to my viewfinder. Never in my memory have I seen such an alien landscape. It was like Mars. I kept trying to imagine how those early Mormons



must've felt, when they fled the lush farmlands of Illinois to seek refuge in this strange, crazy place. I couldn't get enough. Every rock was more awesome than the previous rock. This mortal coil was not big enough to contain my excitement!

The drive starts past named rock formations like the Three Gossips and Sheep Rock until about half way through, you get to Balancing Rock. There are actually a lot of balancing rocks in the park, but you'll immediately see why this imposing formation gets to have the name in capital letters. There is a tiny parking lot nearby and a short walking trail around the rock. You simply must walk around it for all the views. But please, when you park, don't be a jerk and take up space for two. Enough said.

Just after Balancing Rock, turn right, and you'll approach a lovely cluster of arches all together. In this area are the North Window, South Window, Turret Arch, Double Arch, and the Cove of Caves. And here I discovered my two favorite things about the park. First, you can climb all over the arches! This is not some "stand back and look" park. Go ahead, clamber up into the arch with some amazing sky and scenery around you, and have your friend take your picture! Second, I discovered what a "primitive trail" was.

It's not a trail at all! Hopefully you're not like me. But if you are, you probably find that no matter how exceptional the environment, walking along a manicured trail, especially when there are stairs involved, eventually starts to feel like trudging. My legs rebel at the repetitive motion. This is what was so wonderful about the sections of primitive trails. There really is no trail. You just walk along the massive red rocks, in the natural environment, led by little stone cairns, little pile of rocks, like a trail of breadcrumbs, which when followed, you trust to lead you to where you're going.

About a third of the way further up the road, you'll reach Wolfe Ranch road. This will take you to

the most famous arch in the park, Delicate Arch. Depending on your time, you'll be faced with a decision. About halfway down the road you can start a lengthy hike to Delicate Arch itself, or you can journey on to the end of the road to the Delicate Arch lookout. Most of the people when I was there had opted for the hike. In fact, the parking lot was so full that you would've had to hike to the beginning of the hike. Due to time constraints, we opted for the lookout, which had a vast and untouched parking lot. I'll be honest: the lower lookout stinks. The upper lookout is medium. But the really lovely view comes from striking out across the primitive trail from the upper lookout. This takes you to the edge of a cliff that opens into a huge valley below. The riverbed is dry, but the swishing of the trees sounds like water flowing. The view of the arch is tremendously better, and far fewer people take the primitive trails.

Our final destination took us up to the top of the park, to Devil's Garden. This contains the most impressive arch of the day but also the only one we couldn't climb on – Landscape Arch. It's thought to be the longest spanning natural arch in the world. And it's also very thin in places. The arch is off limits to patrons because a large chunk of it fell of a number of years ago. Its days may be numbered, so go see it while you can. There's a lot of primitive trail hiking that can be done in Devil's Garden, which is the primary reason I'd love an extra day there.

After Landscape Arch, the trail turns primitive. I followed the cairns, scrambling up a giant slanting red rock face. At the top was an amazing view of the area. My friend had asked me why it was called Devil's Garden. I told her it's because it's the sort of patch of earth the devil would plant – a lot of dry, red, pointy rocks. I'm pretty sure she thought that was an aloof explanation, but standing at the top of that outcropping, looking down into the valley below, at all the twisting red spires in the dusk, I think my assessment was right.



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Transform yourself

If machines can do it, why can't you?

Triple A
Staff Writer

The secret is here. You can use it to change, but you don't have to. If you are happy with your weight, then why stress over its mechanical course of function. Change is not always good. We are encased by a society that inserts little programs into our minds that remind us with every tick of the clock that we need to look a certain way; that we need to weigh below a certain three-digit number. The brewing urge to abide ironically holds us back. And at the end of the day, we sit down and face one simple truth:

I was not impressed by its simplicity as much as by the miraculous way our bodies function

We do want to change, and in spite of fearing to admit that society is right to some extent, we love change—the good kind, that is. A healthy body, after all, is a healthy mind. And seeing that college—i.e. CSM—needs that kind of mind, why not transform?

It's exponentially easier than you think. But before entering through the gate of enlightenment in fat loss, you need to ask yourself, how much effort I am willing to put into it? If your answer is "Not much", then you are on the right track! You have classes, meetings, errands, shopping, eating, studying, and so on, but the one thing you do not have is time. And luckily, time is not one of the ingredients of this fat loss program.

When I stumbled upon the secret to fat loss through research and experience, I was not impressed by its simplicity as much as by the miraculous way our bodies function. I discovered that we have two minds, one that we control—known as the brain—and one we cannot. The latter is hard to describe, but consider this: our hearts beat without our initiation or request; our main mind (the brain) has no control over it. This is where our second mind (the body's own operating system) takes the wheel. Fortunately, it is not a PC!

What I found out is that the best and most effective way to drop fat is when we become able to utilize our second mind, and claim control over it. Researchers and personal trainers call this concept

High Intensity Interval Training (HIIT), but I call it Automation. The idea is very simple: imagine having a wheel pivoted around a pole. When you give the wheel a tap, it begins to rotate. And when you rotate it faster and faster and then stop, it remains on rotating. This is where the secret lies.

This program takes only ten minutes. Step 1: find a grounded bike (The Recreation Center has plenty, and given that you are mandated to pay a significant amount for membership, you might as well get your money's worth back). Step 2: ride it. Step 3: pedal as fast as you can for 20 seconds. Step 4: rest for 10 seconds. Repeat steps three and four for ten minutes. By the end of ten minutes, something extraordinary will happen: You will be sweating oceans, and you will keep on sweat thereafter for several minutes even though you stopped. This is Automation. For ten minutes, we kept telling the body to behave a certain way (pedal and rest, and pedal and rest...), and after the ten minutes, the body will try to keep going. I have read—and experienced—that this method burns fat up to nine times more than regular cardio performed at medium speed*. Remember, this method is not knitted to bikes only, but is proven to work with any other cardio machine. Bikes, however, are the easiest to start with.

The ratio of pedaling to rest is very important. I found out that the best ratio is 2:1, illustrated in 20 seconds of *maximum* pedaling to 10 seconds of rest (or very slow pedaling). When you first begin this program, it may be hard to keep this ratio for the entirety of ten minutes. And that's okay. If at any time during the training you feel very out of breath, lower the ratio to 1:1 (20 seconds maximum pedaling vs. 20 seconds of rest). A little dedication, ten minutes a day, three times a week**, change is imminent.

*While I cannot make any guarantee, I am certain this program will bring you change.

**The number of times you train a week is inversely proportional to the length of time it takes for you to see results.

We have two minds, one that we control—known as the brain—and one we cannot

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"This too shall pass"

Dr. Calvin Mackie
Guest Columnist

Nathaniel Bronner, the founder of Bronner Brothers (B&B hair care products), once told me, "The greatest tragedy in life is public success and private failure."

I have never forgotten the day or moment when he dropped that nugget on me, and I keep it on the end of my nose. As we witness this economic crisis and continue to live through it, I wonder how many other people would have been better off focusing on private success rather than public success. Private success is the relationship you create with your creator, mate, family, and those around you. It's living below your means and saving for that raining day... it is being a Dream Maker, rather than a Dream Faker and Taker. So, many people have public personas of success but are dying privately. This economic crisis has pulled the cover off of so many people. Let's get back to living for those things that matter!

As you prepare for the future, know that these times are cyclical and will come back, so as students, there is one thing you need to be doing right now in preparation for your future and that is change your habits.

I remember a quote about habit:

"I am your companion. I am your

greatest helper or heaviest burden. I will push you onward or drag you down to failure. I am completely at your command. Half the things you do you might just as well turn over to me and I will be able to do them quickly and correctly. I am easily managed - you must merely be firm with me. Show me exactly how you want something done, and after a few lessons I will do it automatically. I am servant of all great men; and alas, of all failures, as well. Those who are great, I have made great. Those who are failure, I have made failures. I am

"I am your companion. I am your greatest helper or heaviest burden. I will push you onward or drag you down to failure. I am completely at your command... You may run me for profit or run me for ruin - it makes no difference to me. Take me, train me, be firm with me, and I will place the world at your feet. Be easy with me and I will destroy you.

Who am I? I am habit!"

-John Di Lemme

not a machine, though I work with all the precision of a machine plus the intelligence of a man. You may run me for profit or run me for ruin - it makes no difference to me. Take me, train me, be firm with me, and I will place the world at your feet. Be easy with me and I will destroy you. Who am I? I am habit!" -John Di Lemme.

We have taught you all some

bad habits: consumerism, greed, narcissism, arrogance, laziness, and privilege to name a few. Commit to identifying and changing your bad habits and then developing good ones. As adults, we have failed to provide you with proper examples of good habits. This economic crisis is forcing people to go back to the salt of the earth values that built this nation. What we are witnessing as a nation is the result of us losing the good habits of living below our means, saving for a rainy day, paying as we go, shunning debt, investing in the future, enhancing our skills, and our work ethic.

Nearly everything we do is the result of a habit. Habits are rooted in discipline. Discipline allows us to avoid self-destructive behaviors. It also affords us the opportunity to engage in life-enhancing and life-sustaining activities and behaviors. It takes approximately thirty days to create or break a habit. Spend the next thirty days trying to change something about you

that you know will not serve you well in the future, whether it is time on the phone or Internet, shopping in the mall, or not doing your assignments in a timely manner. We must become creatures of habit. Learn good habits and continue to build upon those habits every day, and the future will be bright for you when this crisis passes and/or comes again!

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Remembering 9/11 on the IM fields



PHOTO COURTESY PAUL SZUHAY

2,993 flags were placed
on the IM fields to honor
the victims of September
11th, 2001.



RYAN BROWNE / OREDIGGER

Lily Giddings
Managing Editor

Do you consider yourself a geek?

No, not really. Geek is defined as "an unfashionable or socially inept person", neither of which describe me in the least. If I had to classify myself, I'd stick closer to "engineering fashionista".

What is the geekiest thing you own?

I'd have to say either my Chumby or the Dell Mini 9 that I hacked Macintosh onto (then promptly covered the Dell logo with an Apple sticker).

What is your favorite geek joke?

Out of the far too many that I shouldn't even know: "Alcohol and calculus don't mix. Never drink and derive."

How did you come to be at Mines?

Growing up in Colorado, it's all I ever heard about when HR staff from industry would speak with me regarding engineering. It's also the only engineering college in Colorado where I wouldn't feel like just another fish in the sea. Preferring small class sizes really narrows things down.

What is your favorite geeky pick up line?

"My name's Windows. Can I crash at your place tonight?"

What is the geekiest thing you have seen or done?

Having been at Mines for three years now, the bar just keeps getting raised higher and higher. Right now the bar has been set by a conversation between two students I overheard near the beginning of this school year. One of the students was making an effort to explain partial derivatives to the other, but couldn't seem to get him to understand. After a few attempts, he changed technique and drew a metaphor that somehow related Lord of the Rings and Star Wars to the math. The student being taught immediately got it, and asked why it wasn't related to him like that in the first place.

Star Wars or Star Trek? Why?

Neither. I find both extremely banal and lacking many of the cinematographic elements that I feel movies need in order to be enthralling.

What are your hobbies?

When I find the time and materials I really enjoy woodworking, machining, and most all forms of fabrication. As a guilty pleasure, I also really enjoy all forms of shopping.

What has been your favorite class at Mines?

This would be a three-way tie between Mechanics of Materials, Advanced Engineering Math, or Linear Algebra. Both Mechanics and Linear really captured my attention, made immediate sense, and seemed very natural. AEM makes the list solely because of the professor; Ellie Blair-Kennedy is by far the best professor I have ever had.

What is your favorite piece of technology?

My iPhone. Being able to consolidate all of the devices I used to carry around (PDA, iPod, phone, camera) into one has simplified everything. While it often promotes a lack of attention in some of my more mundane classes, it still does

more good than not.

What is your favorite movie?

This is a hard one to narrow down, namely because there are few movies that I don't like. If I had to choose one, I'd say "Where the World Mine" or the 2003 "Italian Job".

What is your favorite book?

This is where the engineer in me really shows; "507 Mechanical Movements: Mechanisms and Devices".

What clubs or activities are you involved in?

There are two clubs on campus that I'm currently involved in: the Society of Automotive Engineers, and Sigma Lambda. Sigma Lambda is an excellent club for those trying to find support and acceptance here, but it also focuses on increasing the overall harmony and togetherness on campus. However, the Society of Automotive Engineers gets the majority of my time between the two. As the Vice President, there is a great deal of planning and discussion that must occur in order for the club to have a successful semester. For over a year the club has been mostly latent, but with the work that has gone into it so far, the increased effort coming in the near future, and the devoted and hard working officers, this semester is really looking bright. I love having the opportunity to be a part of it, and to see people with a passion for cars unite in a fun yet academic setting.

Who is your role model and why?

Nikola Tesla. Apart from his insane intelligence, he was always devoted to his cause and unafraid to try new things. He was also one of the few engineers who felt that being an intellectual didn't exclude you from the need to have a good fashion sense; a point I completely agree with.

What is your favorite OS? Why?

Snow Leopard wins this war by a mile. I prefer computers that run consistently, provide you with the level of information that you want and can understand, and keep a streamlined appearance to boot. I also find that my productivity increases greatly working on a Macin-

tosh compared with any other OS I've tried.

What is your favorite formula and why?

I have no clue why, but I find the Euler equations of three-dimensional kinematic angular motion captivating.

If you were to come up with a class for CSM what would it be?

Something along the lines of "Engineering Interiors". Interior design is so often relegated to the ordinary simply because of the large gap between design and mechanical possibility. I really believe that if you combine the two into a class oriented towards appliances, furniture, and the like, both economics and feasible design would benefit.

What is one thing you love at Mines? One thing you would like to see changed?

I love the high density of students who are so intelligent and hard working. It creates a self-driven community with insane amounts of support that really pushes learning to an entirely new level. However, I would like to see a renewed effort stressing the importance of a work/life balance. Granted, school should be one of the most important things in a student's life, but relaxing and socializing should be given more importance that it often is.



COURTESY PAUL BRAYFORD

Pink from Blue



Join in the fight against breast Cancer. Blue Key is offering engraved pink light bulb ornaments for a \$10 donation. The incandescent bulbs are the product of an attempt in 1999 to turn our 'M' pink to promote breast cancer awareness. All proceeds benefit the Denver affiliate of Susan G. Komen for the Cure www.komen-denver.org. Additional questions may be sent to pinkfromblue@gmail.com. The ornaments will be available Thursday Sep. 17 and 18th from 11am-2pm in the Student Center. Cash is preferable.

We also invite you to join "Team Mines" at the Denver Susan G. Komen Race for the Cure that will be held Sunday, October 4th 2009. To register please visit www.komen-denver.org, and click on the "Join an Existing Team" icon.

susan g. komen
FOR THE **cure** DENVER
METROPOLITAN

The Alley serves up atmosphere and food

Eric Lussky and Ben Goertz
Staff Writers

While walking down Washington Ave. in Golden, one has many choices of places to go for lunch or a snack. One quaint little café that often goes unnoticed is The Alley. Often dwarfed by its neighbor, D'Deli, The Alley is a great place to go whether you're starving, or just want a little snack.

Although the building it is in has served several businesses over the past 100 years, The Alley didn't come around until 10 years ago, when it was known as Jane's. Just two years ago it changed ownership, and became the shop we know today.

The moment you walk through the screen door into this small sandwich shop you're greeted by the friendly owner, Julie Shinkle. She'll be more than happy to help you choose a menu item from the very wide selection, and assist in any other way she can. As she makes your fresh sandwich in the back, you are provided some time to take in the atmosphere. As you observe the brick floor, the small café tables, and the narrow painted walls, you really fell as though you're in a small alley back in the 1800's. Once you get your food, you have the tough choice of eating on the very convincing inside, or going outside to get some fresh air.

Today, The Alley is struggling for business despite its great food and even better deals. Every

week Julie cooks up a new and delicious special. Some customer favorites include the Ruben, BBQ pork, and the Chunky Chicken sandwiches. This sandwich consisting of chicken, celery and walnuts keeps customers coming back. Although all of these sandwiches have a menu price of \$6.50, Mines students get a \$1 discount. In addition to all of that, all meals come with a soda, bag of chips, and a complimentary home baked bar or cookie. Not only do they have sandwiches, but The Alley also has a great selection of ice cream for the lowest price you'll find in town.

If you're ever in downtown Golden looking for something to eat, make sure to put The Alley on your list of choices. They have everything from great deals for Mines stu-

dents to a wonderful atmosphere to very fast and friendly service. Then, of course, there's also the amazing food. So, next time you're about to go into Jimmy John's, why not walk down the street half a block for a much better meal?



With quaint decorations and a great location, The Alley has a winning combination on Washington Street, in downtown Golden

ERIC LUSSKY AND BEN GOERTZ / OREDIGGER



Music Review

Maserati, *Passages*

Benjamin Johnson
Staff Writer

Background

Coley Dennis, Matthew Cherry, Steven Scarborough, and Phillip Horan started the band Maserati in 2000 while living in Athens, Georgia. In 2001, the band self-released their first album, *37:29:24*, followed by *The Language of Cities* (2002) and *Confines of Heat* EP (2003) which were both released on the indie label Kindercore. The band then signed with Temporary Residence and released *Inventions for the New Season* in 2007 and their latest album, *Passages*, in 2009.

Maserati can best be described as post-rock, but has also been described as progressive-rock and perhaps even psychedelic. The most noticeable attribute of this genre is the lack of singing; it is usually completely instrumental based music.

Memorable Song

A very predictable and repetitious melody conveys most of "Thieves" but it is strangely attracting. There is nothing definite that separates this song from the rest except that it has a slightly darker sound. On an album that is light and has a sound that correlates to a dance/techno style, this track offers something a little more mysterious. The change is the best part of this song and is exacerbated by the monotony found on the rest of the album.

Least Favorite Song

"The World Outside (The Loving Hand Remix)" is composed of various sections. There are odd

pauses and weird buzzing sounds as well as strange human noises. The song does not seem to fit together and is very jerky, but maybe that is what the band was intending. Given the context and style of the rest of the album, the song just does not fit.

In Closing

The post-rock genre is one that has many slight variations that are impossibly hard to quantify. How does one album become better than another? There are many stylistic changes between bands, some rely on heavier drums, and others prefer to focus on varying the sounds produced by a guitar. Only truly devoted followers of post-rock bands are able to pinpoint what makes a specific band or album great. To most, all albums sound the same, neither terrible nor tremendous. This album fits into that category; there is a lack of musical complexity and variety that is present elsewhere in the genre.

Many of the rhythms employed by each instrument on different tracks are very similar and the variance in key signatures and even notes throughout a particular song are absent. One highlight of the album is the presence of good dynamic changes; swells of volume allow the music to not become too mundane. Overall, if you are not a fan of post-rock, this album has nothing that will change your opinion; if you are a fan, this album might or might not interest you, again, preference will decide.



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9 proves visually stunning ★★★★★ after pioneer of life-saving explosives technology

Alee Barln
Staff Writer

09/09/09 saw the release of the new Tim Burton film aptly titled 9. This film takes place in a world gone post-apocalyptic around 1935 with great machines, robots, and a pinch of magic.

9 is a golem (a sentient building made from completely inanimate objects) who awakens to find every living thing supposedly dead. One exception, though, is a similar golem with the number 2 on its back. In total, there are 9 golems each with a number, led, unsurprisingly, by number 1.

By accident, an evil machine is awakened by 9, and the race to stop it and save the last bits of humanity carried within them begins.

Visually, the film is stunning, the details perfect, and every expression is clear on the golems. Aspects of Tim Burton's style are shown through every scene, punctuated by the styles of the other three producers. Since he was not alone though, do not expect it to be his usual fare.

There is plenty of social commentary and numerous 'what if' discussions to have after the film, though not quite with the subtlety of movies like WALL-E. A mild warning though, if you are insulted easily, I would advise staying away from this one.

For the auditory connoisseur and those familiar with Tim Burton, it is well-known that Danny Elfman always does the music. But, similar to Burton's part in this film, Elfman's role was similarly reduced. Elfman wrote the melodies of the score, but they were completed by an-

other. Occasionally Danny Elfman's unmistakable style is caught, but it is not permeated throughout like in *The Nightmare Before Christmas*. Actually, the music was particularly unmemorable and the soundtrack alone won't be worth the money.

Also, I found 9's voice to be particularly annoying, mostly because he is voiced by someone who is rarely seen in his movies since his first major film role (bonus points if you guess it without looking at the credits). Once his name pops into your head, all you will see is scenes from his famous trilogy. Perhaps the name on the box was not worth the distraction he caused.

Lastly, the film is only an hour long. I can not think of the last time I saw a successful movie that only ran for 60 minutes. There were several things that felt rushed and not followed through. Combine that with the weak ending and no matter how good its visual effects are, it fell flat. This was not the kind of cliffhanger incompleteness that some films set up for sequels. This story was originally told as a short animated film by Shane Acker and it has not quite gotten away from that.

In total, this was a fine film, thought-provoking and entertaining, but the money at the box office is not worth the single hour of tenuous entertainment. Some may be willing to forgive its shortcomings, focusing only on the names of Burton and Elfman, but others will be very disappointed. Best advice is to wait for it to come out on DVD, pick it up for cheap, or rent it from Blockbuster as it is not a requirement to see this one on the big screen.

Jared Griffith
Staff Writer

Many special events and casual entertainment activities take place every year on the large field of grass overlooked by Meyer Hall. Known as Kafadar Commons, the field is an ideal location for anything requiring a large amount of space and is conveniently located near the center of the campus. However, it seems common to wonder how this field came to be named as it is.

Part of the answer lies in the everyday lives of people in industrialized nations, especially pilots of military jets. The irony of this is that, although it can be important and even vital to survival, Kafadar's work is something that no one hopes to ever need.

In 1939, as World War II was erupting throughout Europe, a Turkish student by the name of Ahmed D. Kafadar was selected as one of fifty to be sent to America for continuing education and safety. Kafadar ended up at the Colorado School

of Mines and received a master's degree in 1943.

Some of Kafadar's most important technological work involved ejection seat and airbag triggering mechanisms: explosives to save lives. Robert Bartels, an industrial products analyst in Chicago, said, "Ahmed Kafadar was a pioneer in developing this technology for the aerospace field and then carrying that technology into the automotive industry."

On top of the daily life-saving technology which Kafadar pioneered, the students here at Mines can also benefit from his cooperation with his alma mater. The LAIS department offers a semi-annual award to one graduating senior,

called the Maryanna Bell Kafadar Humanities Award, which was started by Kafadar himself (named after his late wife) in 1987. The LAIS department says the award is given to a student, nominated by an LAIS faculty member, "who has excelled in the study of the humanities and who has contributed to the cultural life of the CSM campus."

Because of Kafadar's contributions to science and Colorado School of Mines, Kafadar Commons was named in honor of him, and there is a plaque on a stone across from Guggenheim Hall with a brief commemoration of Kafadar's relations with Mines.

Kafadar died January 17, 1998. He was 82.



JARED GRIFFITH / OREDIGGER

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Eighth annual Lebowsky Fest comes to Denver

Greg Davies
Staff Writer

Although *The Big Lebowski* failed to find an audience on its initial release in 1998, the movie's strong cult following has allowed it to live on. Lebowsky fans, referred to as Achievers after the 'Little Lebowski Urban Achievers' mentioned in the movie, gather each year for a festival dedicated to the Coen brothers' cult comedy film. Since its humble origins as a one-hundred fifty person event in Louisville, Kentucky, Lebowsky Fest has grown to include eight cities across the country, in addition to a British equivalent known as The Dude Abides, held in London.

Lebowsky Fest occurs over the course of two evenings, one dedicated to watching the movie and the other dedicated to a bowling party. The sold-out movie party at the Ogden Theater on Tuesday night featured live music performed by the Black Diamond Heavies. On Thursday night, unlimited bowling was accompanied by trivia and costume contests. The Achievers arrived in a

wide array of costumes reflecting the movie's diverse cast of characters. People with beards and bathrobes dressed as "The Dude" were the most common, while numerous men dressed as Walter or The Jesus were seen as well. Women dressed, primarily, as feminist painter Maude Lebowsky in a Viking outfit she wore during a dream sequence, were also a common sight. Among the more creative costumes was a person dressed up as "Walter's whites," an all-white outfit with socks and underwear on the outside.

Inside the bowling alley, a man costumed as Saddam Hussein hands out shoes to the Achievers, who divide into lanes and start bowling. From there, the Achievers bowl and drink White Russians (The Dude's favorite drink) while occasionally taking breaks to answer trivia questions such as, "Who is credited as best boy?" and, "How much money does Donnie have on him in the scene where he dies?" As the festival dies down, fans are awarded prizes for best bowling, best costumes, and their trivia knowledge.



Minds at Mines

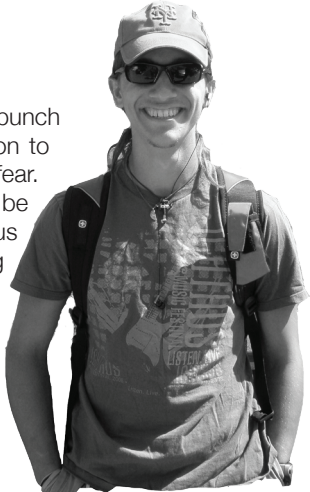
H1N1: Paranoia or Potential Pandemic

Roby Brost
Staff Writer

It's a bird. It's a plane. It's the swine flu! To be politically correct, this new menace is called the "H1N1 virus." The CDC releases statements concerning the statistics of new victims every week with startling regularity. It's rare to see a newscast or newspaper that does not concern itself with precautions or advice to avoid the flu. Even small campus college newspapers now concern themselves with the infectious disease. But here on the Mines campus, students are starting to wonder: why is this menace so disturbing and newsworthy? Is it that the celebrities have stopped misbehaving and the media has nothing else to concern itself with? How is this flu different from the garden variety? Due to the disturbing similarities between the seasonal flu and the swine flu, many Mines students now ponder if the H1N1 virus is more paranoia than potential pandemic.

"I think the hype surrounding H1N1 is a bunch of propaganda. By getting the entire nation to worry over one thing, they unify out of fear. [The H1N1 virus] gives them a reason to be unified. It's not that I worry about this virus specifically, but in order to prevent getting sick in general, I wash my hands."

Stephen Bartels

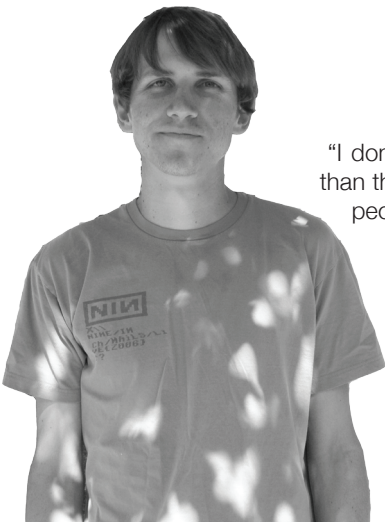
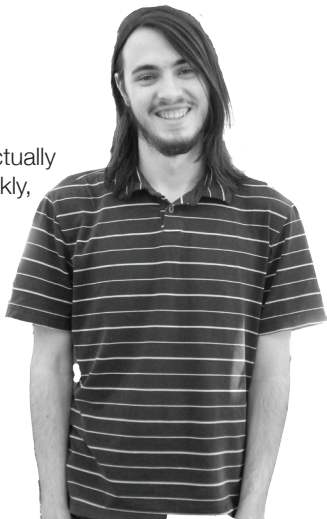


"The H1N1/ swine flu thing is no different than a normal everyday random old flu. It just spreads a little bit faster, that's about it. So more people are going to get sick, but not many people are going to die. I guess it is less a big deal for me, because I don't get sick. I don't take any special precautions."

Connor McDonald

"H1N1? An epidemic, possibly. Actually dangerous? Perhaps not. It'll spread quickly, but that doesn't mean it's going to kill a lot of people. It will probably be just like the regular flu. The media speaks of the possibility that the swine flu will combine and make a super flu. Since the flu is already a hybrid, it seems that this is a definite possibility..."

Neil Lloyd



ALL PHOTOS ROBY BROST / OREDIGGER

"I don't think it's any more of a big deal than the regular flu. I can understand why people are scared, but I don't think it's that big of a deal. It's not as if I am really changing anything I usually do. Even that is just eating right and taking a multivitamin."

Seth Daugherty

Jesus is white? So was Michael Jackson

Melinda Bartel
Staff Writer

There is one thing I would like to make clear before I begin. I respect that everyone has different means of answering "the big questions," and it is not my intent to cause offense or to insult anyone.

That being said, I think Christianity is intrinsically narrow minded because every Western portrayal of Jesus is of a white Caucasian male with light hair and blue or soft brown eyes. In every children's book, every stained glass window in church, and every painting, Jesus is so pale he's glowing.

I'll be the first to admit that I'm not the biggest geography buff. But if Jesus was a real man, I believe he was born in Bethlehem, and that Bethlehem is in Israel, and that Israel is part of the Middle East. Have you ever seen a native person from that area so pale they glow? Historical evidence concludes that Jesus of Nazareth was a man of naturally dark skin, dark hair, and dark eyes.

Even if we were to consider by some random mutation or some divine intervention that Jesus was white, he spent his life wandering the desert bringing the word of God to the people of the world. At the very least he would have had one hell of a tan.



I can't help but think of the parallels between Jesus and Michael Jackson. They were born Middle Eastern and African American respectively, and yet they both died Caucasian. One mysteriously and one by choice, but never the less that is how Western pop culture will remember both of them.

I think it seems rather hypocritical of Christianity to deem Jesus a Caucasian. They're supposed to be accepting of everyone, but now they won't even take

Jesus as he is. If he's not good enough, who is?

As for Michael Jackson, he clearly had his own problems with accepting himself for the way he was. He died looking like Lord Voldemort.

Clearly Western Christianity is a victim of white supremacy. Maybe they think foreigners are scary, so God must be white. He has a long beard, a staff, weathered wrinkles, and wise eyes. (Does he have a penis? Never mind, that's getting off track.) I guess they turned to science

for once, and believed that, genetically, white god equals white son. At this point I wouldn't be surprised if Mel Gibson made another "historical" movie where Jesus spoke English with a Minnesota accent.

As for Michael Jackson, we've been there, he was just plain loony.

And what's with all the fuss about being white in the first place? Most of us grew up in a culture that drilled into our heads people of all skin colors are created equal. Personally I think that white is the least desirable of skin colors. It's most likely to get skin cancer.

In summary, the "King of Pop" and the "Son of God" had an awful lot in common. They both received an obscene amount of attention for their deaths, they both gave attention to those who couldn't stand up for themselves (little boys for Michael, prostitutes for Jesus), and they both changed their skin color and became a skewed version of their real selves.

What's the difference? I guess that's for everyone to decide for themselves.



ALL PHOTOS OREDIGGER

Tim's two cents

Time management

Tim Weilert
Content Manager

Another year, another round of CSM 101. I remember my salad days when I sat in on many a motivational speech and time-management seminar. I was bored. My lack of enthusiasm was not caused by a disagreement with the material being presented... it all just felt like a waste of time (a bit of an irony I suppose).

This article is not a manifesto against the merits of CSM 101, but rather a few suggestions for the student body (especially those who are new to the community). If there is anything of value or importance that I have learned in my time thus far at Mines it is the importance of time management.

I have seen my friends - smart, motivated people - get eaten alive by the academic machine because they couldn't grasp this concept. I have seen others, who were once written off for failure, overcome it by using the tools of time.

There is no point-by-point list I can give to say "Here's how you can manage your time effectively," but I can say this: take the time to study, avoid television and videogames, sleep well, and have a creative (non-engineering) outlet.

Furthermore, have decided goals for what you want to accomplish and when you want to get it done. With those goals in mind, begin setting up regularly scheduled times to get things done. I have found it useful to em-

ploy an electronic planner (the one that is already on my cell phone), although some find paper-based planners just as effective.

So what's the take-away here? In a world that is quickly becoming busier, it may be difficult to properly take care of yourself and your duties. However, all hope is not lost with a little motivation and some smart planning.

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The ORC, providing outdoor events to CSM

Gene Duran
Staff Writer

The Outdoor Recreation Center is designed to be a major resource to the CSM community. "We exist to provide outdoor events for the CSM community, running the rock wall and trips as well as the bike shop and the ski shop. We also have an extensive Reference library and hold special events and workshops," said ORC director Rob Thompson.

Located on the west side of the Recreation Center. Despite its quaint look from the outside, it is much larger on the inside. Scores of bikes line the racks in the back room. "We took in almost 40 bikes last Monday," said Thompson. Besides fixing bikes, the ORC plays a large role for faculty and students of CSM.

The rental program also offers a great deal of equipment for students to rent. They have a huge amount of equipment to rent, including tents (2-6 person), backpacks, stoves, avalanche safety equipment, kayaks, rafts, tubes, mountain bikes, skis, snowboards, climbing gear, and that's only the tip of the iceberg. "The ORC is well-equipped for whatever students need," said Thompson.

The other major function of the ORC is organizing a number of trips throughout the year. Upcoming trips include rock climbing at Clear Creek on September 19 and exploring caves in October. The ORC welcomes everyone of all abilities, but make sure

you sign up for the rock climbing before September 16. During Fall Break, ORC has a big backpacking trip planned in Canyonlands National park, Utah. Registration deadline is on October 12 by noon. Visit the ORC for more information.

A few other upcoming events are the Ski Pass Blitz day, the REEL Rock Tour, and the bouldering competition. During the Ski Pass Blitz day, representatives from Copper Mountain, Winter Park, Vail, Beaver Creek, Keystone, A-Basin, Breckenridge, Loveland, Steamboat, Echo Mountain, and Eldora ski resorts come to the campus with the best deals on passes on September 25.

The REEL Rock Tour is coming up on October 2 when the ORC features the film "Progression" with rock climber Chris Sharma climbing "Jumbo Love" and Kevin Jorgeson's "Ambrosia." Only \$6 for students, \$12 for non-students.

The rental program also offers a great deal of equipment for students to rent.

biking, skiing, or snowboarding but want to get involved, the ORC has definitely got you covered. The ORC is offering classes on everything including Basic Bike Maintenance (Sept. 14), Wilderness Survival (Oct. 5), and Rappelling class (Dec. 6). The rock wall also has free Belay classes Mon-Thurs at 6-8 PM for you to start climbing the wall in the Recreation Center. The wall is 36 feet tall and includes 20 top rope stations, 3 crack climbing

routes and a cave. If the size of the wall is intimidating for beginners, the ORC has a small climbing boulder outside the building.

The ORC can be reached at (303) 273-3184 and by email at outdoor.recreation@is.mines.edu. Visit <http://recreation.mines.edu/morc> for more information about other trips, classes, and special events.



COURTESY THE ORC

Women's soccer undefeated

Zachary Sorenson
Staff Writer

The Mines Women's Varsity Soccer is starting off the year in the right way. They have been undefeated in their first four games, outscoring their opponents 10-1. The lone goal come from a penalty kick from the University of Nebraska-Omaha. Two of these first four teams, Nebraska-Omaha and Washburn, made appearances at the NCAA tournament last year.

Junior Goalie Briana Schultz credits their success to communication. "We are a very close team; we have spent a lot of time together traveling to away games." Adding to the team's strength is the fact that they have retained 17 of their 26 players. They also placed third in the RMAC conference last year

and earned themselves a bid to the NCAA tournament, a first in Mines history.

Coach Frank Kohlenstein remains aware of their difficult division, "We have a lot of good senior players, but the season will be difficult." Metro, Regis, Fort Lewis, and Mesa State are all returning strong teams this year and are looking for a coveted spot at the NCAA just as much as Mines is.

Adding to the team's strength is the fact that they have retained 17 of their 26 players.

Despite the difficult division Schultz feels that her team can succeed, "[The team will] do as well as last year if not better."

Schultz leads a flat four back defensive line up, which have allowed only 12 shots on goal, helping Schultz successfully achieve shut-outs in three of her first four games. Leading the offensive strike is Senior Kayla "Pocket Rocket" Mitchell

with two goals and two assists. Five midfielders back up the lone striker Mitchell, which completes an offensive force to reckon with. Members of this force include Junior Jessica Stark and Sophomore Erin Onet who have both scored two goals over the first four games.

The women's team has several more home games left in the season and their next home stand starts with Mesa State on September 27 at 12:00 PM, then continues with UC-Colorado Springs on October 2 at 4:00 PM, finishing off with Adams State on October 4 at 12:00 PM. The women's team would greatly appreciate having strong fan attendance.

If the first couple games of the season have been any indication of how well the team will do this year, they may just achieve what Coach Kohlenstein says is their ultimate goal for the season, "Our ultimate goal is the same every other team at Mines: to win an NCAA championship."

CSM volleyball

Staying in the moment, focusing on now

Blain Savage
Staff Writer

Concerning the CSM Women's Volleyball team, Coach Jamie Skadeland keeps a consistent mindset: "One weekend at a time." Coach Skadeland's mantra for her team this year is that "We can't look ahead to the playoffs; we have to stay focused and win the game at hand."

It is clear that the team is taking the message seriously. The team is already 9-2, just coming off a win against Colorado College, 3 games to 0. "The team is strong up and down the lineup," said Skadeland, "they are focused and healthy."

While in the preseason, team leader Junior Elizabeth Serra-Hsu led a large group of returning starters in setting some critical goals for success: to continually improve by challenging themselves every step of the way and to

stop making the little mistakes that can decide a game.

This pressure towards perfection is what Coach Skadeland thrives on: "There is always pressure, but it is a good pressure. I will use the pressure to work harder." In preparing for their game against Metro State last Friday, Coach Skadeland recognized the importance of this critical match-up, "Metro is very good. They are ranked fourteenth in the country, if we play well it will be a battle."

"We can't look ahead to the playoffs; we have to stay focused and win the game at hand."

Fighting the whole way through the 5 game set, the Lady Orediggers ended up on top, winning 3-2.

The next opportunity to catch the Lady Orediggers in action is this Tuesday, September 15, at 6 PM in the Volk Gymnasium against Chadron State and then again on Friday, September 18, at 7 PM in Lockridge Arena at they face conference rival Nebraska-Kearney.

Men's soccer victorious

Benjamin Goertz
Staff Writer

The fall sports season has begun and athletes and spectators alike are revved up for the matches and rivals to come in the next few months. One team, the Men's Oredigger Soccer Team, has an early jump on the winner's bandwagon, starting the year off with a 4-0-1 record, unmatched so far in the Rocky Mountain Athletic Conference (RMAC).

The team has already faced opponents such as Missouri S&T, Northwest Nazarene, and Incarnate Word, pulling some impressive numbers in multiple games. The Orediggers' first RMAC conference play will be against Mesa State, who has a 0-2-1 record, on September 18.

Current Head Coach Frank Kohlenstein has been leading the men's team for 11 years and believes that as the season continues, the men will need to push themselves farther and farther. As Kohlenstein said in a recent interview, "The team needs to keep improving as the toughest part of the schedule is upcoming and every conference match is a tough one. This conference is one of the best in the nation and there are always upsets."

This season also marks the opening of the new soccer field at the Colorado School of Mines Athletic Fields just beyond the turn in next to Brooks Field.

Some key players who have stepped up are sophomore Chike Sullivan (#14) with 3

goals, senior Jeff Nelson (#2) and sophomore Cale Haas (#15) with 2 goals and 1 assist each, and sophomore Phil Wilson (#17) with 2 goals so far this season. Another player showing his marks is freshman Goal Keeper Manville Strand (#1) with 10 goal saves and a save percentage of 90.9.

This season also marks the opening of the new soccer field at the Colorado School of Mines Athletic Fields just beyond the turn in next to Brooks Field.

artificial field was put down last year during the 2008 season and had been awaiting the bleacher completion for since spring semester. No one is complaining, though, as this year's soccer season is steadily becoming one of the best in years.

Fool's Gold

“H1N1: not just for pigs.”



Back to School

Not just for pitied fools

Mike Stone
Mr. T fanatic

Another year at Mines and another year of Fool's Gold. Since its inception in February of 2007, Fool's Gold has been bringing the Colorado School of Mines some of the biggest and bestestest fake scandals around.

Who was there first when the Fireworks Show was cancelled because of temporary blindness? Fool's Gold. Who put a smack down on the ink shortage rumor when all other media refused to report on it? Fool's Gold. Who gave the daring investigative report on the hookah lounge in the basement of the new Recreation Center when all school officials denied its existence? Fool's Gold.

Are we seeing a trend here? That's right. The hard working and honest people at Fool's Gold are out of ideas!

"I don't know. I'll probably write something stupid about internet

ads this time. I hate my job," commented Fool's Gold writer Janeen Neri. As the Oredigger's Fool's Gold Section has been around for 5 semesters already, it seems its staff has nothing left to write about.

"We've made fun of every teacher, administrator, and president at this school. We've slammed departments and student clubs to no avail. We've even attacked the food served in the Slate Café, which we all know very well is delicious!" explained writer Tim Weillert. With nothing happening out of the ordinary on campus, the student body is giving a helping hand to the Fool's Gold writers for their lack of imagination and writing skillz.

Lead Organizer for the *Something is Happening on Campus League* (SHCL), Gary Antonio defends, "As students in desperate need of entertainment at this challenging school, we must give our fellow students at Fool's Gold

something to talk about. The more things that happen, the more ideas of things happening, even for the sake of happening, and even if that particular thing never happened, if only just to happen will create another thing that happened. You see?"

After regaining consciousness, Antonio went on to say, "there will be a campus rally this Wednesday night in the middle of Kafadar. At exactly 9pm, everyone will light their two glow sticks and dance for three minutes while listening to their ipods. For anyone who wants to come, let's make sure something is ALWAYS happening on campus."

If you would like to join either the Fool's Gold writing staff or the SHCL, make sure to email oredig@mines.edu between 3 and 4pm on evenly numbered Fridays right after the parade. Maybe then, Fool's Gold will continue to entertain the school it loves. Oh, and Mines too.

Graphing slide rule developed

Janeen Neri
Mentally Developed

One of the difficult things for freshmen to get used to at the Colorado School of Mines is the ban on graphing calculators. "When I use a plain scientific calculator," said freshman, Thomas Ingle, "it feels like I'm using a junior calculator or something, you know?"

Given the persevering spirit so common among CSM students, it is no surprise that a workaround has been devised. Last Thursday, I spoke with senior Cassie O'Knott, who developed a product she says is "flying off the shelves". Combining nostalgia for the engineering days of yore and top-notch computer algebra systems, O'Knott and several other computer science majors created the perfect math aid – a graphing slide rule, which she now sells through the campus bookstore.

O'Knott divulged, "I've always

loved slide rules. I was looking at my collection one day and thought, 'Hey, I bet I could make one that can do everything a modern calculators does.'" That was four years ago. "It took a *little* longer than we expected," O'Knott said, laughing, "I knew it would be a challenge, but, I didn't anticipate having to get a nanotech guy to design some of the parts. Your typical graphing calculator does a lot of stuff, and we had to pack that all in pretty tight."

Indeed, the finished product is deceptively small, a sturdy white helix that looks just small enough to stuff into an empty backpack for test day. "We knew we'd have to start with the cylinder format because back in their [slide rules'] heyday, those were the smallest ones you could get for their resolution," explained O'Knott, "After that, we had to twist the cylinder around again to fit everything."

The most difficult part of the device to manufacture was the

graphing screen, composed of a polycarbonate cover over an arrangement of pins that dutifully moved into their proper locations when I twisted different functions into the Y editor.

Notably absent from the design is any form of text memory, which would make the tool unusable during tests. Even so, the graphing slide rule is still illegal for calculus tests, as it can perform symbolic algebra. "Although I think the concept is brilliant, I can't allow something that students can use to do the differentiating and integrating for them," said math professor Dr. Abe Uhkess, "They have to learn how to do it themselves."

This has not stopped eager freshmen from snapping up the little machines. "I can use it for physics, and that's better than not being able to use one at all," said Ingle, as he paid for his purchase, "Besides, this thing is really cool, and it never needs batteries!"

—solution—

Puzzle by webzardoku.com

7	4	9	8	3	5	1	2	6
1	8	2	6	4	7	5	9	3
6	3	5	9	1	2	8	7	4
2	1	7	4	8	6	3	5	9
4	9	6	1	5	3	2	8	7
3	5	8	7	2	9	6	4	1
5	7	1	3	9	8	4	6	2
8	6	4	2	7	1	9	3	5
9	2	3	5	6	4	7	1	8

STANDARD DEVIATION BY KYLE SANDERS

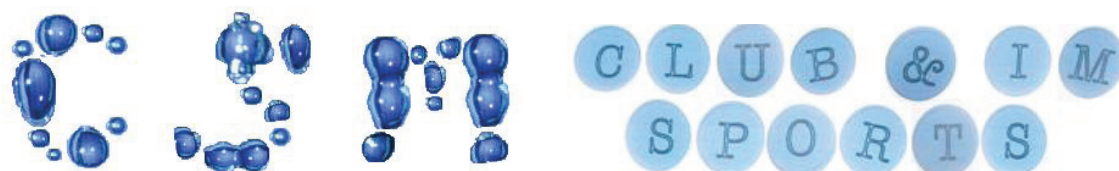


STANDARD DEVIATION BY CODERED



					5	3		
	3			7			9	8
	9					1	7	
								3
	8	2	3		1	9	6	
6								
	7	8					3	
3	6			4			8	
		1	5					

Puzzle by webzardoku.com



GOLF ANYONE?

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IM DEADLINES

-INDOOR SOCCER 9/17 @3PM
MANDATORY CAPTAIN'S MEETING 9/18 @5PM

-DISC GOLF SINGLES 9/17 @5PM

-CHESS 9/17 @5PM

-RACQUETBALL SINGLES 9/17 @5PM

CLUB SPORTS HOME GAMES

SATURDAY, SEPTEMBER 26TH- MEN'S SOCCER AT 12PM ON IM NORTH FIELD

SUNDAY, SEPTEMBER 27TH- MEN'S SOCCER AT 12PM ON IM NORTH FIELD

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RULES:



SCRAMBLE-BOTH PLAYERS HIT THEIR TEE-SHOTS, THEN THEY CAN CHOOSE WHICH BALL THE TEAM WILL PLAY THEIR SECOND SHOT FROM. ALL PLAYERS THEN HIT THEIR BALL FROM THE BEST BALL SPOT UNTIL A PUTT IS MADE FOR THE TEAM SCORE.

TEES-ALL GROUPS WILL PLAY FROM THE SILVER TEES. WOMEN MAY PLAY FROM THE WOMEN'S TEES.

SCORECARD-ALL NAMES MUST BE ON THE SCORECARD; TEAM SCORE FOR EACH HOLE PLUS A TOTAL SHOULD BE KEPT. SCORES WILL BE TOTALED FOR A LOW GROSS AND LOW NET. TURN IN TO REGISTRATION TABLE IN PLAYERS LOUNGE.

ETIQUETTE-PLAY READY GOLF; NO PRACTICE PUTS AFTER THE HOLE. IF A GROUP FALLS BEHIND 1/2 HOLE, A WARNING WILL BE ISSUED. FULL HOLE BEHIND MERITS A DOUBLE BOGEY PENALTY AND THE TEAM IS MOVED FORWARD TO THE NEXT HOLE.

ATTIRE-COLLARED OR MOCK TURTLE SHIRT, NO DENIM/CUTOFFS, TANK OR SPAGETTI-STRAP TOPS, SHOES MUST HAVE SPIKES, BERMUDA SHORTS PERMITTED.